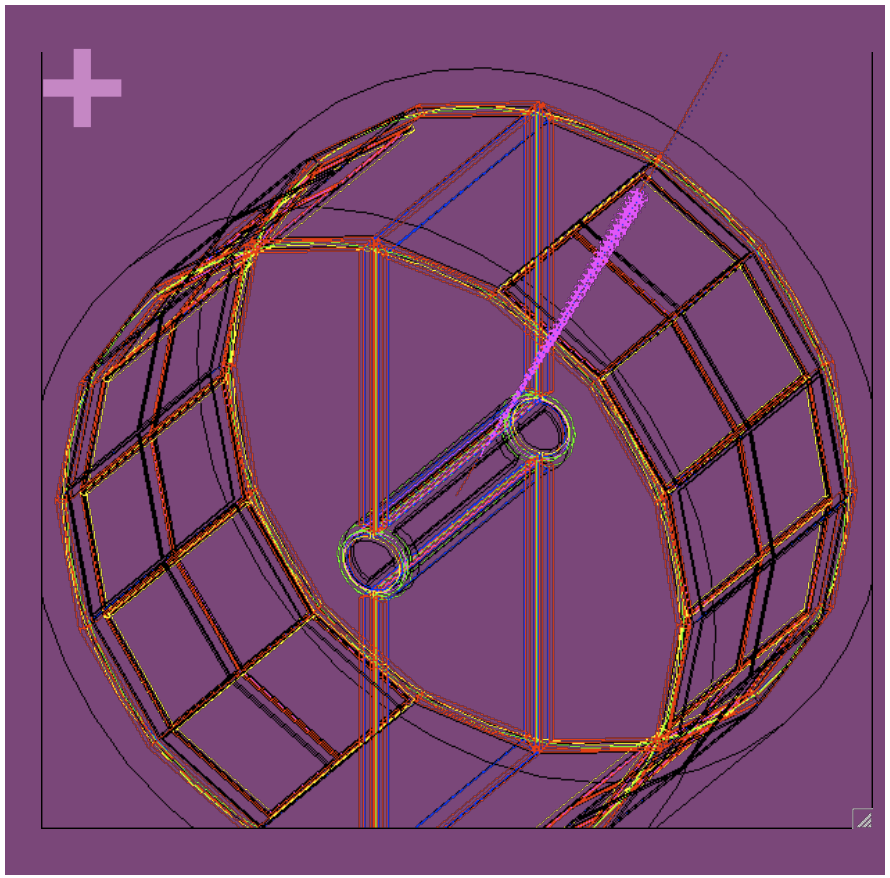
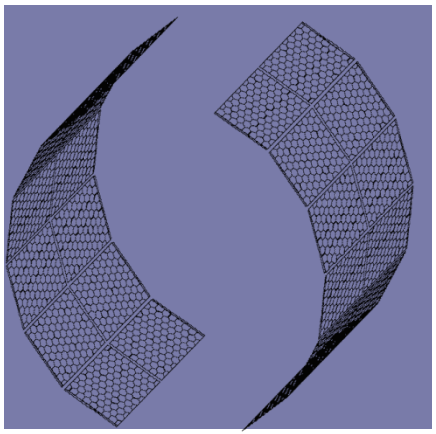
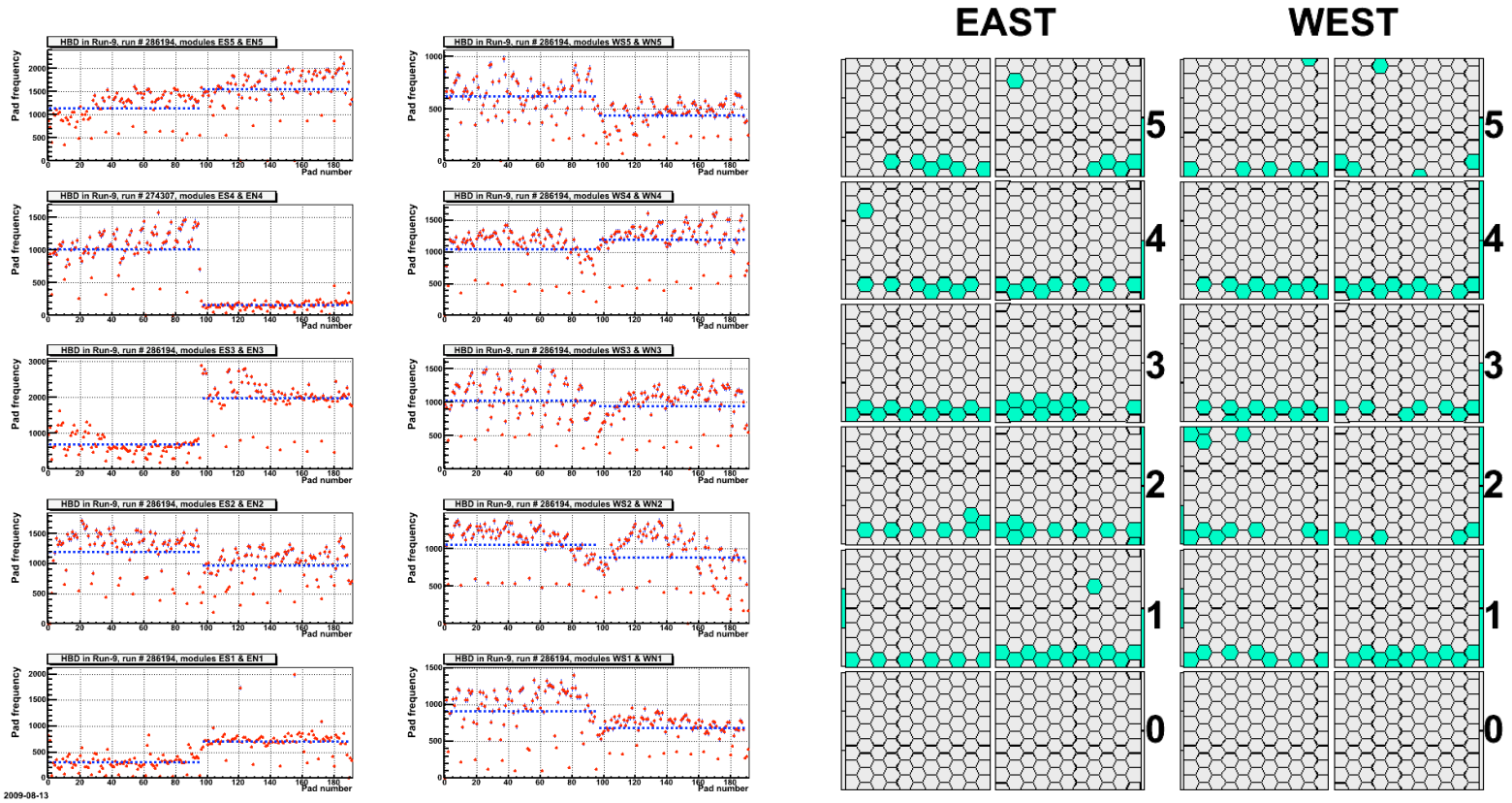




Hbd Software Update

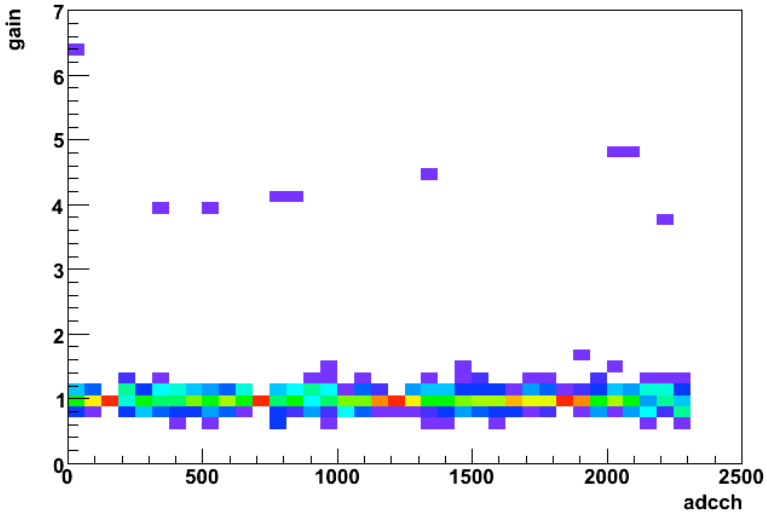
By Sky Rolnick
8/18/09
Hbd Group Meeting

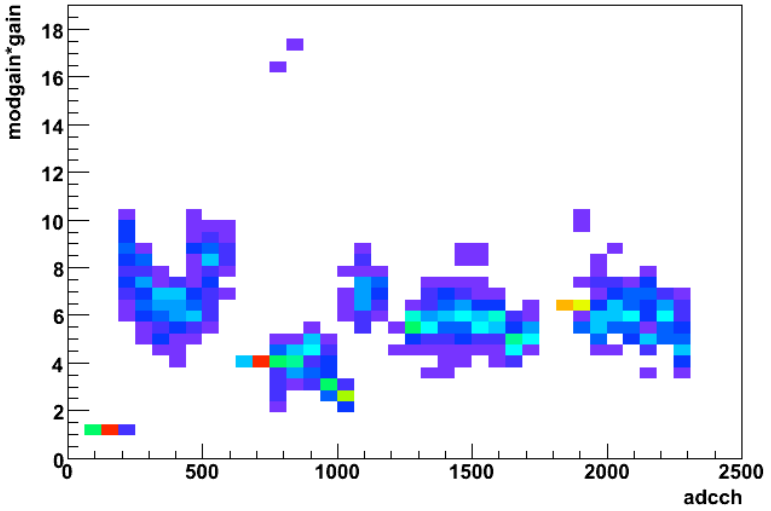
Hbd Pad Frequency



We see a regular pattern in low hit frequency wrt pads! Apparently all low frew hits line up at bootom of module.

Hbd Gain Factors

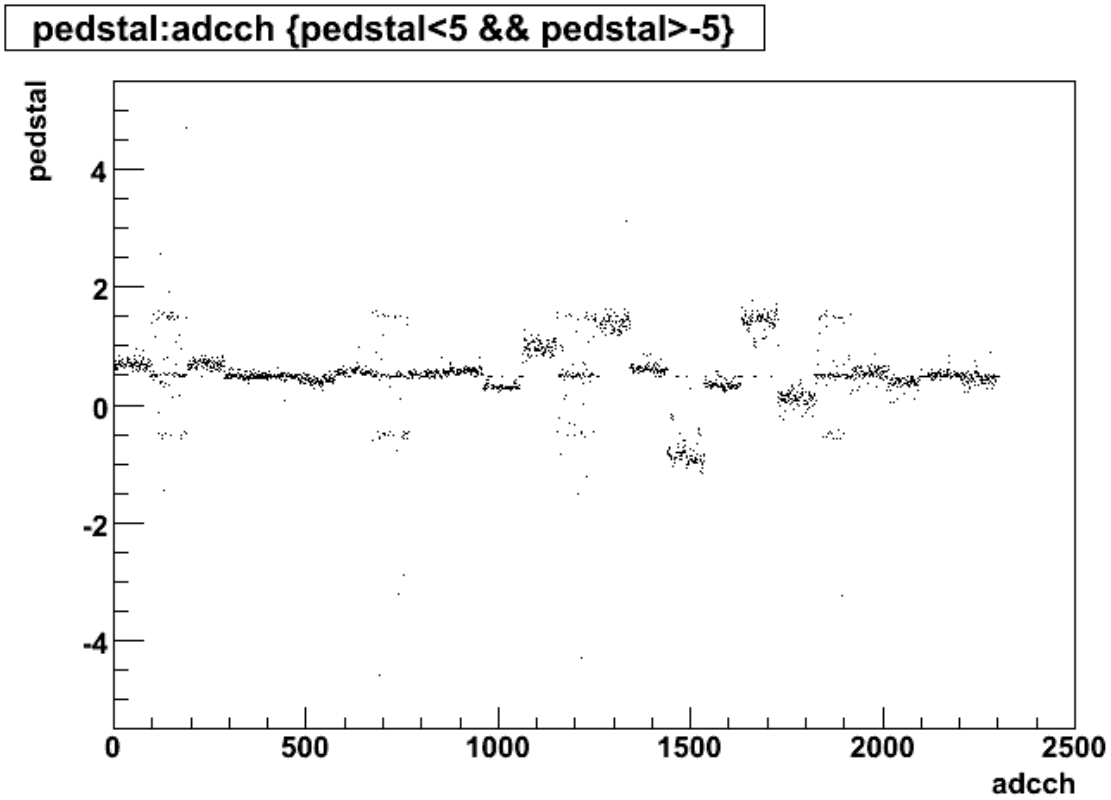




The gain depends on size and geometry of holes as well as dV. We see that most of the channels have correction factors ~1. There are a few outlier channels.

The product of modulegain*corretionfactor gives the overall gain factor. We divide adc values by this factor to give units of photoelectrons.

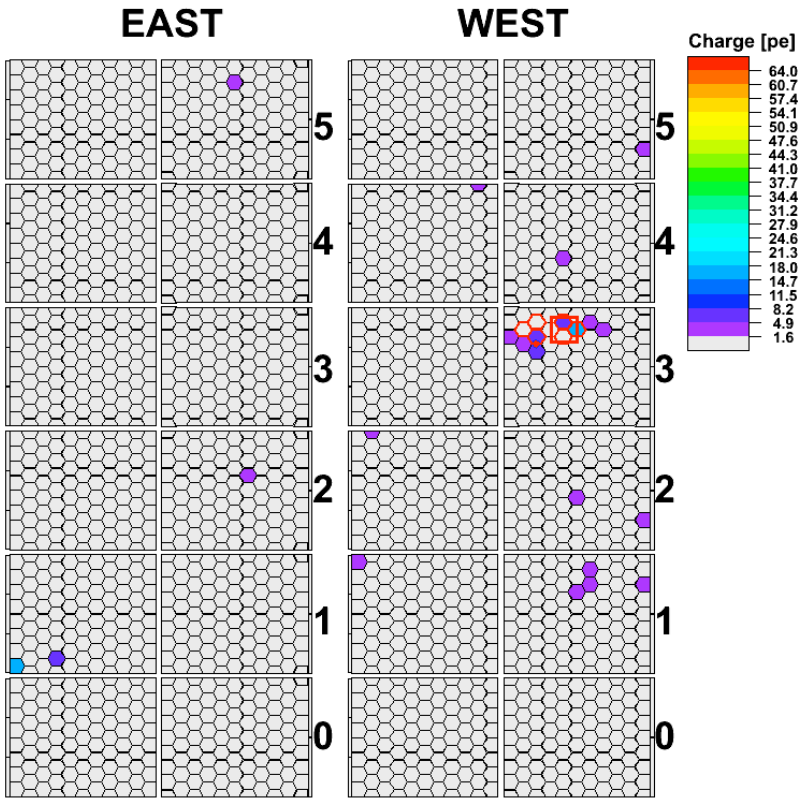
Hbd Pedestals

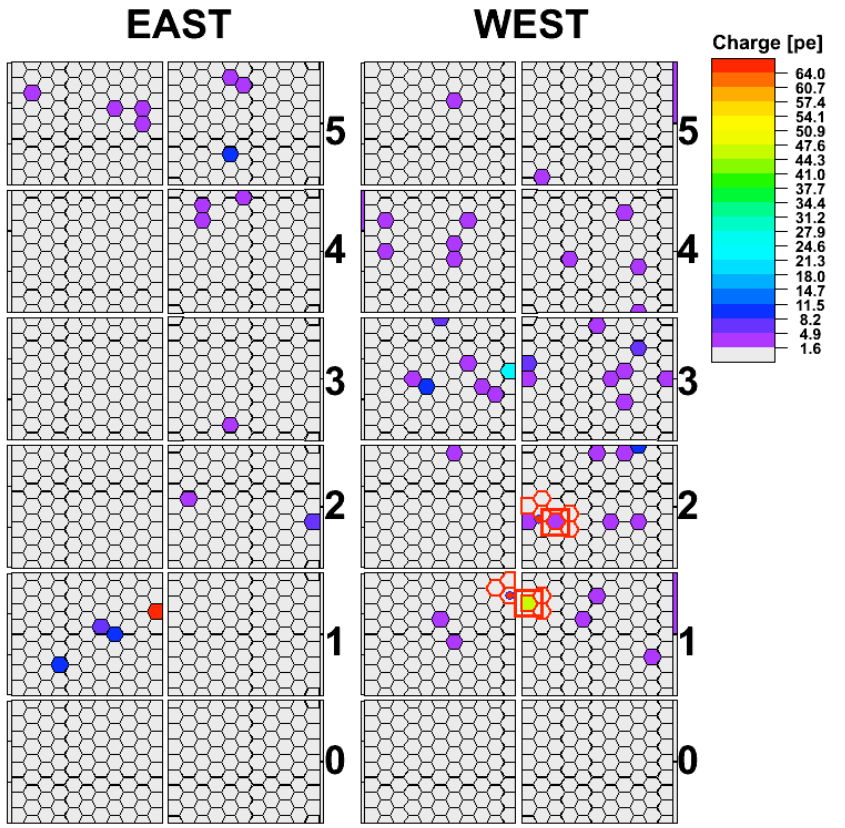


Pedestal values mostly ~1 adc count. A few noisy channels but otherwise okay.

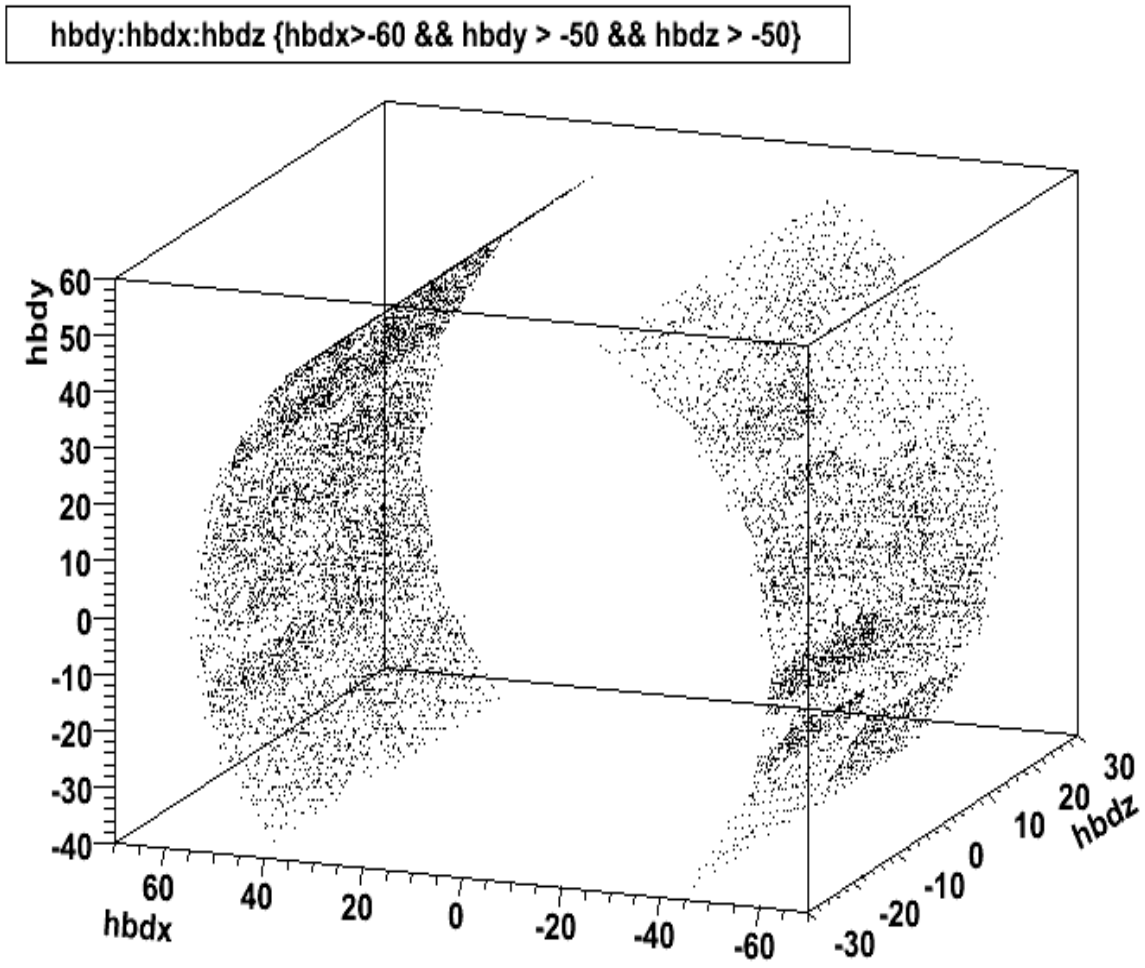
Looking at these values it is still not clear to me why we see pads with low frequency and why this should have the pattern we see.

HnS Event Display



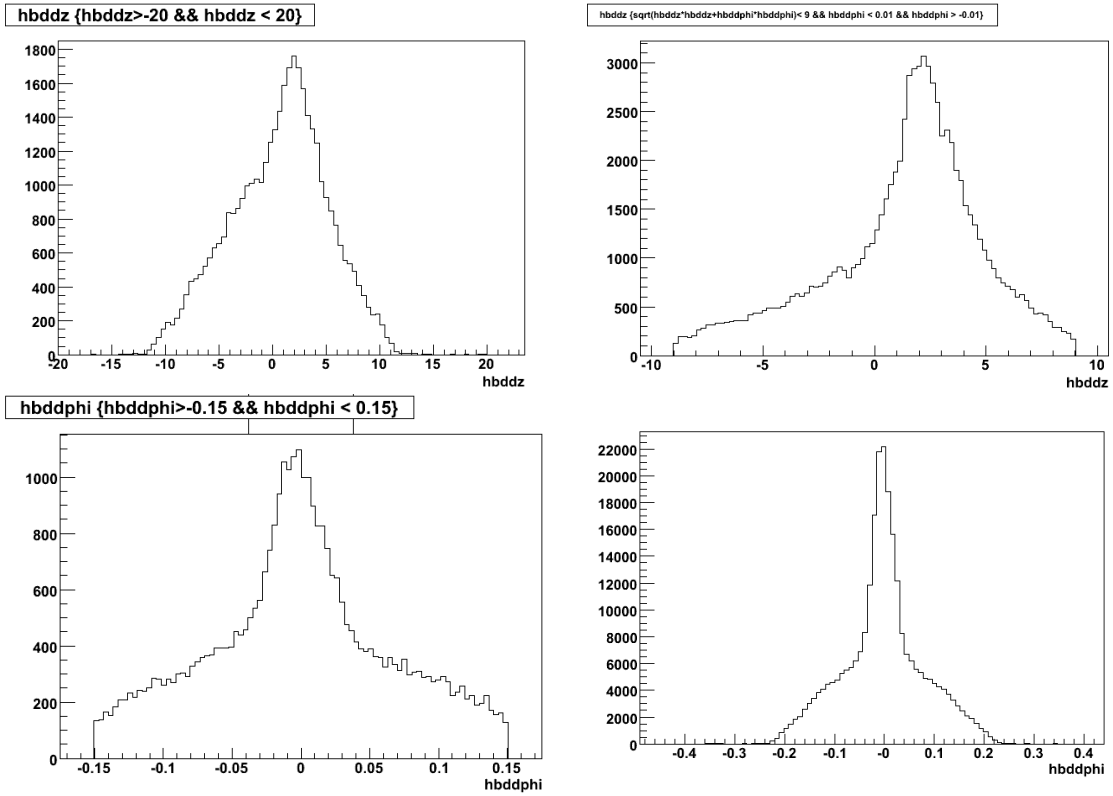


Hit Locations



Reconstructed hit locations Using the blob center of gravity. More or less resembles geometry of detector.

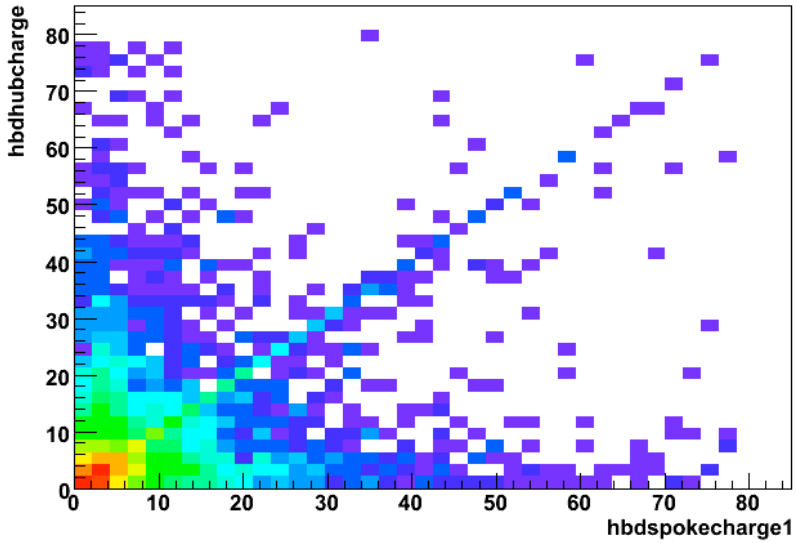
Track Matching



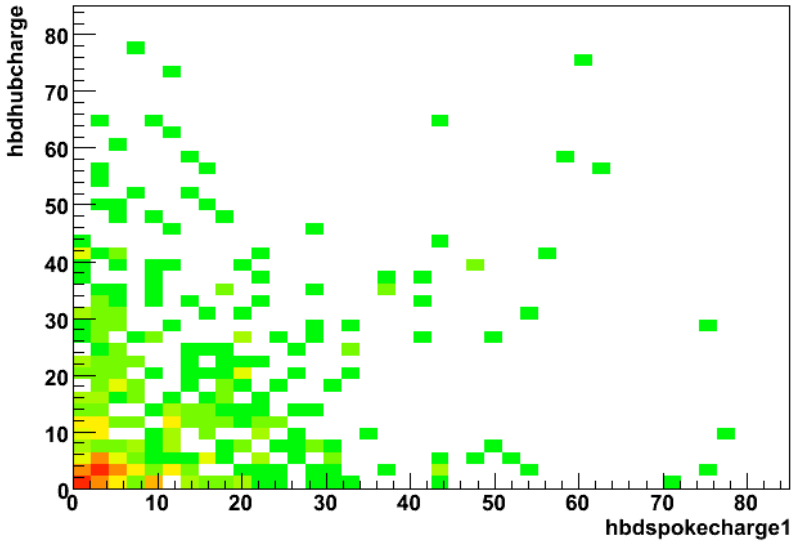
Track matching seems really bad. Tried using Some simple cuts but couldn't get rid of background.

Plotted for all sectors. Need to try plotting sector-by-sector.

Hub n Spoke



Hub vs spoke
Using ert data without cuts.
For all tracks including hadrons



Hub vs spoke
Using ert data with n0 >0 cut.
Using a dist < 5 cut.

+

The End ….